Name _____

Game Chance Showdown Answer Key

1. A = 3/8; B = 2/5; Game B.
2. A = 1/3; B = 5/12; Game B.
3. A = 2/5; B = 2/5; Same.
4. A = 1/2; B = 3/8; Game A.
5. A = 7/20; B = 5/12; Game B.
6. A = 3/8; B = 3/8; Same.

Teacher's Guide

- Quick implementation: Have students calculate both probabilities before deciding which game offers the better chance.
- Differentiation: Allow students to compare probabilities using common denominators, decimals, or benchmark fractions.
- Differentiation: For extra support, have students identify favorable outcomes and total outcomes separately before forming each fraction.
- Engagement: Ask students to choose which game they would play before calculating, then check whether their prediction was correct.
- Extension: Have students change one game in a pair so that both games have equal winning probabilities.

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